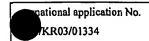
INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A61F 5/41

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) A61F 5/41, A61H 19/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and Applications for Invnetions since 1975; Korean Utility Models and Applications for Utility Models since 1975 Iapanese Utility Models and Applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKIPASS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	US 5,462,514 A (Jesse Harris) 31 Oct. 1995 See Claim 1 and Figures	1	
A	US 4,856,499 A (Edward C. Kelly) 15 Aug. 1989 See Claims and Figures	1	
A	KR 2000-10026 U (Koo Tae-woo) 15 Jun. 2000 See Whole document	1	

- 1	Further	documents	are listed	in the	continuation	of Box C.

X | See patent family annex.

- Special categories of cited documents:
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Date of the actual completion of the international search
29 OCTOBER 2003 (29.10.2003)

Date of mailing of the international search report

30 OCTOBER 2003 (30.10.2003)

Authorized officer

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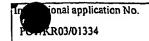
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LEE, Jung Hee

Telephone No. 82-42-481-5574

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INTERNATIONAL SEARCH REPORT



Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5,462,514 A	31.10.1995	None	
US 4,856,499 A	15.08.1989	None	
KR 2000-10026 U	15.06.2000	None	
	US 5,462,514 A US 4,856,499 A	US 5,462,514 A 31.10.1995 US 4,856,499 A 15.08.1989	Cited in search report date member(s) US 5,462,514 A 31.10.1995 None US 4,856,499 A 15.08.1989 None

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